



#### **OUTLINE of PRESENTATION**

- Base Background & Historical Use
- Environmental Program
  - Regulatory Teams
  - Cleanup Approach
  - Navy Funding
- Status of Cleanup & Property Transfer
- Reuse Levels Achieved by Cleanup
- Special Topics
- Land-Use Covenant for Restricted Land
- Long-Term Stewardship

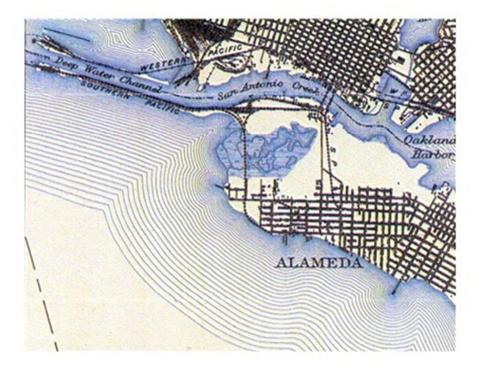


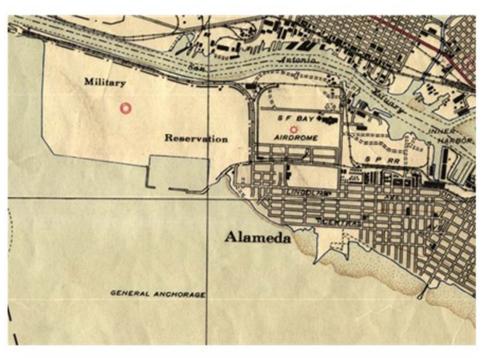
### **BASE BACKGROUND & HISTORICAL USE**

Creation of Alameda Point: Constructed with fill materials from dredging activities occurring between 1887 and 1975

1915

1942







#### **BASE BACKGROUND & HISTORICAL USE**

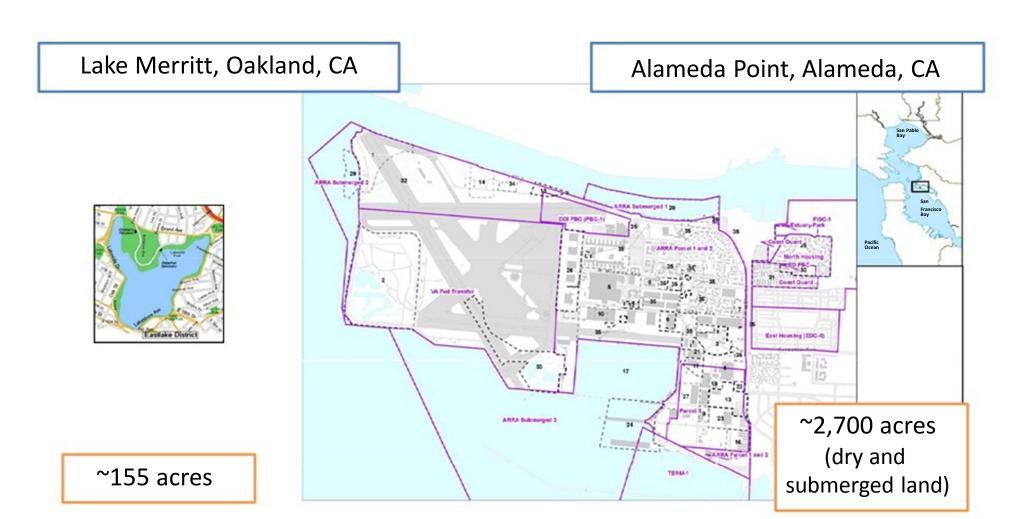
# **Navy Operations**

- Active Base: 1940-1997, transferred from Army in 1936 to support World War II activities
- Operations Included: aircraft maintenance, automotive repair, storage tanks and piping (diesel, gasoline, jet fuel), painting, paint stripping, machine shops, skeet range
- Total Acreage/(submerged): 2,685/(1,115)
- BRAC Closure Year: 1993
- Operational Closure Date: April 1997



### **BASE BACKGROUND & HISTORICAL USE**

### Alameda Point – Relative Size

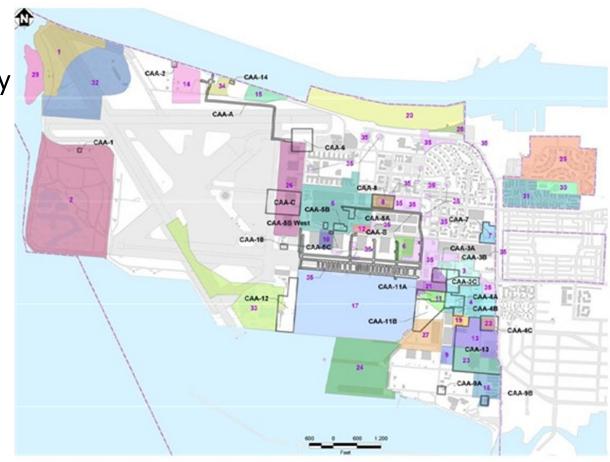




### **ENVIRONMENTAL PROGRAM**

Contaminated soil and groundwater are addressed under two programs:

- Comprehensive
   Environmental Response,
   Compensation, and Liability
   Act (CERCLA) Program
   (Federal)
- The Petroleum Program (California)





#### **ENVIRONMENTAL PROGRAM**

# CERCLA Program: 34 Installation Restoration (IR) Sites

The formal CERCLA Process considers stakeholder input on IR Site documents

and decisions

- BRAC Cleanup Team (BCT):
  - Navy
  - EPA
  - DTSC
  - Water Board
  - ARRA (as observer)
- Restoration Advisory Board (RAB):
  - Community Members
  - BCT Representatives





### **ENVIRONMENTAL PROGRAM**

# Petroleum Program: 23 Corrective Action Areas (CAAs)

- Includes 250+ Environmental Units (USTs, ASTs, piping, sumps, etc.)
- Water Board is the Lead Regulatory Agency





#### **REGULATORY TEAMS**

## **EPA & California Regulatory Teams**

- Team Leader
- Technical Support
  - Ecologists
  - Engineers
  - Hydrogeologists
  - Toxicologists
- Other Support
  - Management
  - Legal Counsel
  - Public Participation Specialists
  - Contractors
- DTSC Is Lead for: CDPH (rad), CDF&G (wildlife), and Water Board (petroleum)



### **CLEANUP APPROACH**

- Alameda Point uses innovative technologies for cleanup
- Cleanups are short duration, from 1-5 years
- Cleanups are evaluated for carbon footprint
- The majority of the base is being cleaned to residential standards





#### **NAVY ENVIRONMENTAL FUNDING**

Navy's commitment to environmental cleanup at Alameda...

NAS Alameda Yearly Funding:

FY2006: \$50M FY2009: \$48M FY2012: \$39M (proj.) FY2007: \$41M FY2010: \$38M FY2013+: \$91M (est.)

FY2008: \$63M FY2011: \$28M

The NAS Alameda clean-up program brings money and jobs to the Bay Area and Alameda.

- Approximately 50 full-time-equivalent jobs are directly supported by the Navy's Alameda Point clean-up program!
- Additional economic benefits include purchase of materials, equipment rental, sub-contracted support, and local business consumption



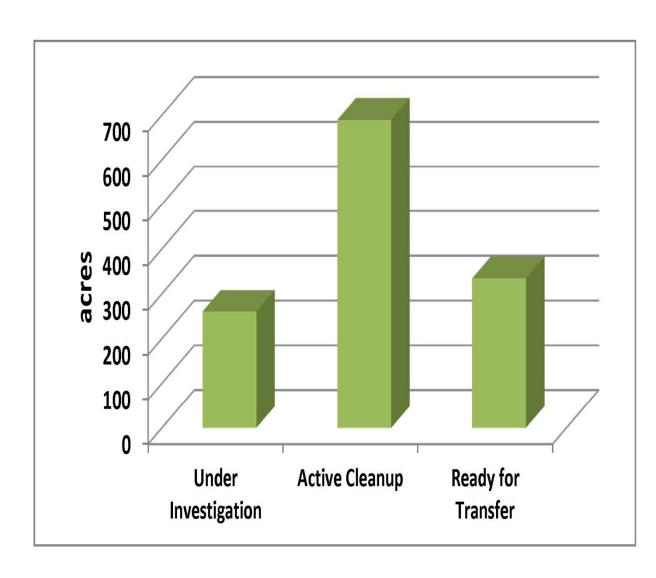
#### **STATUS of CLEANUP & PROPERTY TRANSFER**

- Environmental Program Goal: Complete the environmental program in support of land transfer
- Initially, Environmental Program focused on identifying lands suitable for leasing
  - 1,000 +/- acres leased to the ARRA
  - Cleanup coordinated with tenants whenever feasible
- Alameda Point: 2,685 total acres, with 309 +/- acres transferred prior to 2011
  - Reversionary Parcel to City of Alameda (Term-1)
  - East Housing Parcel (Bayport Housing)
  - Coast Guard Housing Area
  - DoI Public Benefit Conveyance Parcel (future Sports Complex)



#### **STATUS of CLEANUP**

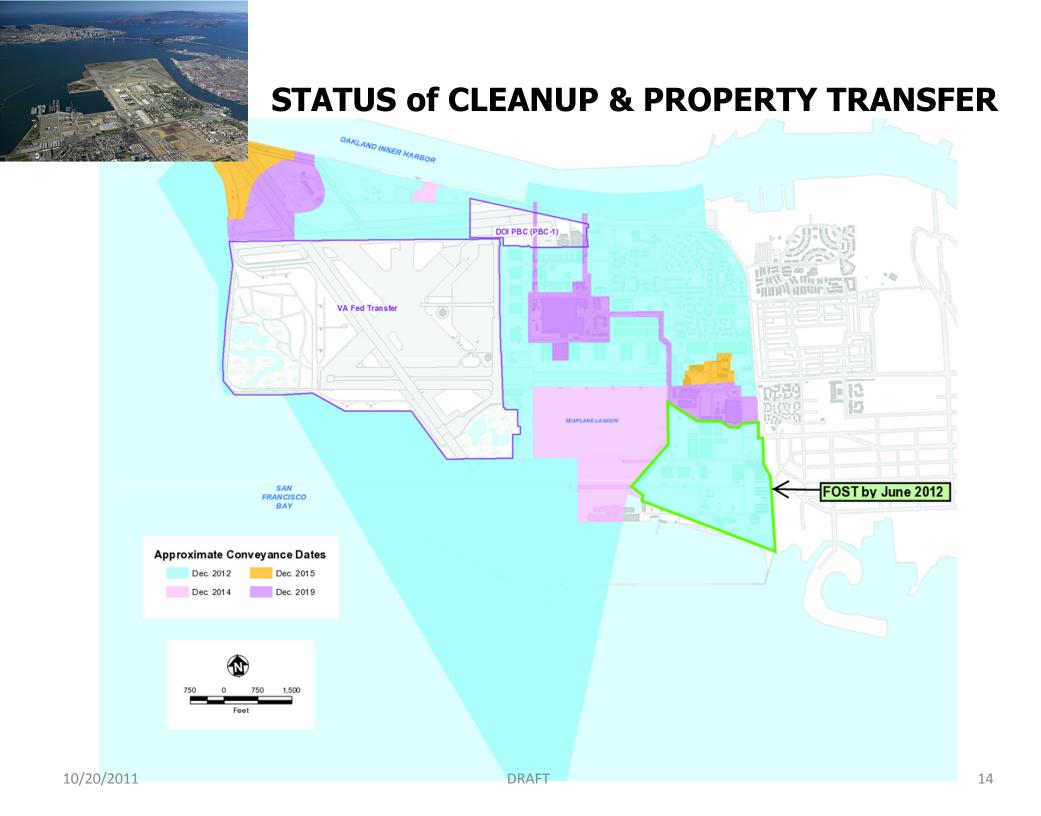
### Alameda Point CERCLA Sites



Approximately 20% of the area is under investigation or determination of how best to clean up

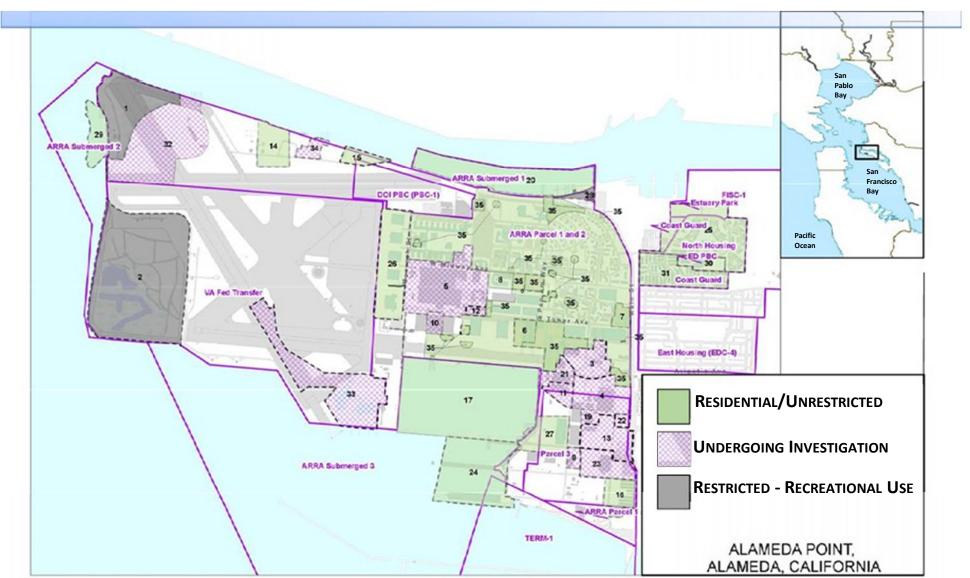
Approximately **55%** of the area is **undergoing active cleanup** 

Approximately **25%** of the area is **ready to transfer** 





# **REUSE LEVELS ACHIEVED by CLEANUP**





# **Groundwater Clean-up Standards**

Issue: Should all groundwater be cleaned to drinking-water standards?

- Plans for redevelopment do not contemplate use of groundwater as a source of drinking water.
- Potable water to be supplied by EBMUD.
- Low levels of most contaminant decay through natural processes, regardless of whether its progress is monitored.
- It is not cost-effective to conduct long-term monitoring while drinking-water standards are reached naturally.
- Monitoring for vapor intrusion into buildings, instead, is more useful.





Approximate area where shallow groundwater is not a drinking water supply



## Commercial Reuse Standards

Issue: Should clean-up standards for commercial mixed-use areas be modified?

- In commercial mixed use areas, ground-floor uses will be limited to commercial uses.
- Residential clean-up standards will be achieved through natural processes anyway.
- Long-term protections for commercial and upper-floor residential uses are more appropriate.
- It is not cost effective to provide long-term monitoring for ground-floor residential uses in areas that have always been planned for commercial mixed-use.





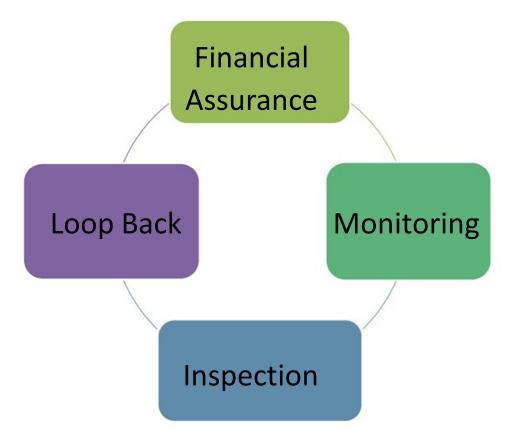


Approximate area of no ground-floor residential



### **LAND-USE COVENANTS**

# DTSC's Land-Use Covenant Program





### **LONG-TERM STEWARDSHIP**

- DTSC contracts with "Terradex"
- Intrusive activities trigger e-mail alerts
- DTSC responds through e-mail or by phone call









#### LONG-TERM STEWARDSHIP

### BCT conducts 5-Year Review if residual contamination remains:

- •Is the remedy functioning as intended?
- •Are the exposure assumptions, toxicity data, clean-up levels, and remedial action objectives still valid?
- •Does any other information question the protectiveness of the remedy?

DTSC - stewards forever



#### MORE INFORMATION

#### Join the RAB, RAB Members...

- Review/evaluate/comment on environmental documents
- Represent their community and communicate interests and concerns to the Navy and the environmental regulatory agencies

## Navy Website for Alameda Point

http://www.bracpmo.navy.mil/basepage.aspx?baseid=42&state=California&name=nas\_alameda

# Information Repositories

- Alameda Point 950 West Mall Square (Building 1), Room 240
- Alameda Public Library 2200A Central Avenue

## **Navy Contact:**

Derek J Robinson - BEC for NAS Alameda 619-532-0951 derek.j.robinson1@navy.mil

10/20/2011 DRAFT 23